

DELL EMC DES-5221

Dell EMC Data Center Networking Implementation Engineer
Certification Questions & Answers

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DES-5221

Dell EMC Certified Specialist - Implementation Engineer - Data Center Networking
60 Questions Exam - 63% Cut Score - Duration of 90 minutes



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Discover More about the DES-5221 Certification

Are you interested in passing the Dell EMC DES-5221 exam? First discover, who benefits from the DES-5221 certification. The DES-5221 is suitable for a candidate if he wants to learn about Networking. Passing the DES-5221 exam earns you the Dell EMC Certified Specialist - Implementation Engineer - Data Center Networking title.

While preparing for the DES-5221 exam, many candidates struggle to get the necessary materials. But do not worry; your struggling days are over. The DES-5221 PDF contains some of the most valuable preparation tips and the details and instant access to useful [DES-5221 study materials just at one click](#).

Dell EMC DES-5221 Data Center Networking Implementation Engineer Certification Details:

Exam Name	Dell EMC Certified Specialist - Implementation Engineer - Data Center Networking
Exam Code	DES-5221
Exam Price	\$230 (USD)
Duration	90 mins
Number of Questions	60
Passing Score	63%
Books / Training	Dell EMC PowerSwitch Data Center Implementation and Administration (ES102NET00232) Dell EMC PowerSwitch Data Center Implementation and Administration (ESNETD02182)
Schedule Exam	Pearson VUE
Sample Questions	Dell EMC Data Center Networking Implementation Engineer Sample Questions
Practice Exam	Dell EMC DES-5221 Certification Practice Exam

DES-5221 Syllabus:

Topic	Details	Weights
Networks - The Basics	<ul style="list-style-type: none"> - Identify common data center topologies, protocols, and topologies; describe the Dell EMC data center switch portfolio - Basic switch configuration: Identify the normal boot process of a S and Z-Series switch running OS 10. List the first-time switch setup requirements. Perform the steps for upgrading switch firmware in OS 10. - Access Control Lists: Explain the purpose of access control; apply appropriate commands to deny or permit IP connectivity; complete the required configuration to permit host access control; determine why particular computers are being blocked from accessing a server - AAA Security: Explain the purpose of AAA security; describe AAA process, core components and their function; configure local and RADIUS authentication - Dynamic Host Configuration Protocol: DHCP's basic operation; Explain the role of the DHCP Relay; configure DHCP in OS10; identify the options to secure DHCP from attacks 	19.6%
Layer-2 Technologies and Protocols	<ul style="list-style-type: none"> - Virtual Lans - Identify the characteristics of a VLAN; explain the differences between tagged and untagged frames; configure VLAN trunking; configure VLAN Port membership; verify trunking and Port Membership; troubleshoot VLANs - Spanning-tree Protocol - Identify the operations and use cases for STP; Configure and validate RSTP/MSTP/RSTP-PV; Manipulate spanning tree root bridge and port cost configurations - Link Aggregation Groups - Identify the operations and use cases for LAGs; configure, verify, and trouble shoot static LAGs; configure, verify, and troubleshoot dynamic LAGs - Discovery Protocols - Describe the characteristics of discovery protocols; describe 	20.1%

Topic	Details	Weights
	uses cases for using discovery protocols; explain how to configure and validate. Configure discovery protocols; interpret LLDP outputs	
Discovery Protocols - Describe the characteristics of discovery protocols; describe uses cases for using discovery protocols; explain how to configure and validate. Configure discovery protocols; interpret LLDP outputs	<ul style="list-style-type: none"> - Basic Routing - Configure IPv4 on an interface; identify when to utilize a gateway as a last resort; configure and modify static routes; test inter-VLAN routing - Open Shortest Path First - describe OSPF operation, and core components; configure and validate OSPF using; interpret OSPF show commands; describe the operations and use cases for ECMP; test inter-VLAN routing - Border Gateway Protocol - Explain operations of BGP; - identify design best practices when configuring BGP in a leaf/spine environment; configure and validate BGP; Describe the operations and use cases for ECMP; configure and validate ECMP - Policy-Based Routing - Describe the basic operation of PBR; identify PBR use cases; configure and validate PBR 	30.7%
Data Center Technologies and Protocols	<ul style="list-style-type: none"> - Virtual Link Trunking - Describe the components that makeup a VLT configuration; Configure and validate VLTs; troubleshoot basic VLT configuration issues - Virtual Router Redundancy Protocol - describe the basic operation of VRRP; identify the components of VRRP; describe VRRP Priorities; compare Pre-empt and no Pre-empt; configure VRRP on switches configured for VLT - Uplink Failure Detection - describe the components and operation of UFD; identify the differences between Active/Active and Active/Standby; configure and verify UFD - Virtual Routing and Forwarding - describe the operations and use cases for (VRF); configure and validate VRF - Quality of Service - Describe the basic operation of QoS; Describe how QoS identifies and marks traffic; identify the characteristics of 	29.6%

Topic	Details	Weights
	QoS; identify QoS protocols and their uses; configure QoS - Multicast - Explain in depth the concepts relating to IP Multicast technology; compare IGMP and PIM use cases; identify the steps required to configure multicasting into an existing multicast environment	

Broaden Your Knowledge with Dell EMC DES-5221 Sample Questions:

Question: 1

What is an advantage of running LLDP?

- a) Automatic error detection and correction of the port
- b) Reduces spanning-tree convergence
- c) Provides detailed software version information
- d) Simplifies the use of network management

Answer: d

Question: 2

What must be done before configuring any routing protocol in a VRF instance?

- a) Assign an IP address to at least one of the interfaces assigned to the VRF instance
- b) Create a routing group for each VRF instance
- c) Assign each VRF instance to a routing group
- d) Nothing, VRF routing protocols are assigned automatically

Answer: a

Question: 3

The VLAN tag is located between which fields in the Ethernet frame?

- a) Destination MAC and Source MAC
- b) Ether Type/Size and Data
- c) Preamble and Destination MAC
- d) Source MAC and Ether Type/Size

Answer: d

Question: 4

A network administrator is troubleshooting a PBR implementation and needs to know how many packets have matched the route-map criteria. How do they view this information in OS10?

- a) OS10# show route-map
- b) OS10# show interface statistics
- c) OS10# show route-maproute-map-statistics
- d) OS10# show route-mappbr-statistics

Answer: d**Question: 5**

What do bridge protocol data units provide?

- a) Special data frames to exchange STP information
- b) Metadata transferred connecting two network bridges
- c) Configuration data exchanged during a VLTi setup
- d) Bridge information part of the LLDP protocol

Answer: a**Question: 6**

A network administrator needs to restrict packets that are destined to the CPU of an OS10 switch. How do they accomplish this?

- a) IP fragment ACLs
- b) Control-plane ACLs
- c) Management-plane ACLs
- d) Static null routes

Answer: b**Question: 7**

What configuration must be common on iBGP neighbors to form an iBGP adjacency?

- a) Local preference
- b) Router-ID
- c) AS number
- d) Loopback interfaces

Answer: c

Question: 8

In an NSSA, which type of LSA is used for redistribution?

- a) 3
- b) 4
- c) 5
- d) 7

Answer: d

Question: 9

Which user role in OS10 has full access to all commands and exclusive access to commands that manipulate the file system?

- a) netadmin
- b) sysadmin
- c) secadmin
- d) netoperator

Answer: b

Question: 10

Which OSPF router is responsible for originating Network Link State Advertisements?

- a) Designated Router
- b) Internal Router
- c) Area Border Router
- d) Backbone Router

Answer: a

Avail the Study Guide to Pass Dell EMC DES-5221 Data Center Networking Implementation Engineer Exam:

- Find out about the DES-5221 syllabus topics. Visiting the official site offers an idea about the exam structure and other important study resources. Going through the syllabus topics help to plan the exam in an organized manner.
- Once you are done exploring the [DES-5221 syllabus](#), it is time to plan for studying and covering the syllabus topics from the core. Chalk out the best plan for yourself to cover each part of the syllabus in a hassle-free manner.
- A study schedule helps you to stay calm throughout your exam preparation. It should contain your materials and thoughts like study hours, number of topics for daily studying mentioned on it. The best bet to clear the exam is to follow your schedule rigorously.
- The candidate should not miss out on the scope to learn from the DES-5221 training. Joining the Dell EMC provided training for DES-5221 exam helps a candidate to strengthen his practical knowledge base from the certification.
- Learning about the probable questions and gaining knowledge regarding the exam structure helps a lot. Go through the [DES-5221 sample questions](#) and boost your knowledge
- Make yourself a pro through online practicing the syllabus topics. DES-5221 practice tests would guide you on your strengths and weaknesses regarding the syllabus topics. Through rigorous practicing, you can improve the weaker sections too. Learn well about time management during exam and become confident gradually with practice tests.

Career Benefits:

- Passing the DES-5221 exam, helps a candidate to prosper highly in his career. Having the certification on the resume adds to the candidate's benefit and helps to get the best opportunities.

Here Is the Trusted Practice Test for the DES-5221 Certification

EduSum.Com is here with all the necessary details regarding the DES-5221 exam. We provide authentic practice tests for the DES-5221 exam. What do you gain from these practice tests? You get to experience the real exam-like questions made by industry experts and get a scope to improve your performance in the actual exam. Rely on EduSum.Com for rigorous, unlimited two-month attempts on the **[DES-5221 practice tests](#)**, and gradually build your confidence. Rigorous practice made many aspirants successful and made their journey easy towards grabbing the Dell EMC Certified Specialist - Implementation Engineer - Data Center Networking.

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